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Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

<b>UTILITY PATENT APPLICATION TRANSMITTAL</b> <small>(Only for new nonprovisional applications under 37 CFR 1.53(b))</small>		Attorney Docket No.	488-00061	Total Pages	107		
		First Named Inventor or Application Identifier					
		Akira Takayanagi					
		Express Mail Label No.	EV342894594US				
<b>APPLICATION ELEMENTS</b> See MPEP chapter 600 concerning utility patent application contents		ADDRESS TO: Assistant Commissioner for Patents Box Patent Application Washington, D.C. 20231					
<div>1. <input checked="" type="checkbox"/> Fee Transmittal Form (Submit an original, and a duplicate for fee processing)</div> <div>2. <input checked="" type="checkbox"/> Specification [Total Pages <span style="border: 1px solid black; padding: 0 5px;">53</span>] (preferred arrangement set forth below)<ul style="list-style-type: none"><li>- Descriptive title of the Invention</li><li>- Cross References to Related Applications</li><li>- Statement Regarding Fed sponsored R &amp; D</li><li>- Reference to Microfiche Appendix</li><li>- Background of the Invention</li><li>- Brief Summary of the Invention</li><li>- Brief Description of the Drawings (if filed)</li><li>- Detailed Description</li><li>- Claim(s)</li><li>- Abstract of the Disclosure</li></ul></div> <div>3. <input checked="" type="checkbox"/> Drawing(s) (35 USC 113) [Total Sheets <span style="border: 1px solid black; padding: 0 5px;">48</span>]</div> <div>4. Oath or Declaration [Total Pages <span style="border: 1px solid black; padding: 0 5px;">3</span>]<div style="margin-left: 20px;">a. <input checked="" type="checkbox"/> Newly executed (original or copy)</div><div style="margin-left: 20px;">b. <input type="checkbox"/> Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional with Box 17 completed) [Note Box 5 below]</div><div style="margin-left: 20px;">i. <input type="checkbox"/> <u>DELETION OF INVENTOR(S)</u> Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).</div></div> <div>5. <input type="checkbox"/> Incorporation By Reference (useable if Box 4b is checked). The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.</div>		6. <input type="checkbox"/> Microfiche Computer Program (Appendix)					
		7. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) <div style="margin-left: 20px;">a. <input type="checkbox"/> Computer Readable Copy</div> <div style="margin-left: 20px;">b. <input type="checkbox"/> Paper Copy (identical to computer copy)</div> <div style="margin-left: 20px;">c. <input type="checkbox"/> Statement verifying identify of above copies</div>					
		<b>ACCOMPANYING APPLICATION PARTS</b>					
		8. <input type="checkbox"/> Assignment Papers (cover sheet & document(s))					
		9. <input type="checkbox"/> 37 CFR 3.73(b) Statement <input type="checkbox"/> Power of Attorney (when there is an assignee)					
		10. <input type="checkbox"/> English Translation Document (if applicable)					
		11. <input type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input type="checkbox"/> Copies of IDS Citations					
		12. <input type="checkbox"/> Preliminary Amendment					
		13. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) (Should be specifically itemized)					
		14. <input type="checkbox"/> Small Entity Statement(s) <input type="checkbox"/> Statement filed in prior application, Status still proper and desired					
		15. <input type="checkbox"/> Certified Copy of Priority Document(s) (if foreign priority is claimed)					
		16. <input checked="" type="checkbox"/> Other: <u>Certificate of Express Mail</u> ..... .....					
		17. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information: <input type="checkbox"/> Continuation <input type="checkbox"/> Divisional <input type="checkbox"/> Continuation-in-part (CIP) of prior application No.: /					
		<b>18. CORRESPONDENCE ADDRESS</b>					
		NAME		Joseph J. Jochman, Reg. No. 25,058 ANDRUS, SCEALES, STARKE & SAWALL, LLP			
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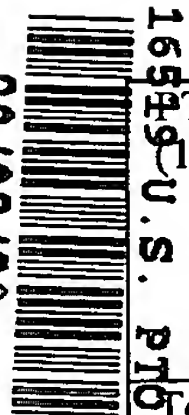
Barbara A. Johnson  
Name

September 30, 2003  
Date

Barbara A. Johnson  
Signature

9-30-03  
Date

09/30/03

TO/SB/17  
(10/97)

## FEE TRANSMITTAL

Approved for use through 9/30/98  
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

## COMPLETE IF KNOWN

Application Number	
Filing Date	09/30/2003
First Named Inventor	Akira Takayanagi
Group Art Unit	
Examiner Name	
Attorney Docket Number	488-00061

Total Amount of Payment (\$ 918.00

## METHOD OF PAYMENT (check one)

- 1.
- ☒
- The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:

Deposit Account Number 01.2000

Deposit Account Name Andrus, Sceales, Starke &amp; Sawall, LLP

- ☒
- Charge any additional fee required under 37 CFR 1.16 and 1.17
- ☐
- Charge the Issue Fee set in 37 CFR 1.18 at the Mailing Of the Notice of Allowance, 37 CFR 1.311(b)

- 3.
- ☒
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- Other

## FEE CALCULATION (fees effective 10/01/97)

## 1. Filing Fee

Large Entity	Small Entity	
Fee	Fee	Fee
Code (\$)	Code (\$)	

101	750	201	375	Utility filing fee	\$750
106	330	206	165	Design filing fee	
107	480	207	240	Plant filing fee	
108	690	208	345	Reissue filing fee	
114	150	214	75	Provisional filing fee	

SUBTOTAL (1) (\$ 750.00

## 2. Claims

Extra	Fee from below	Fee Paid
Total claims 15 - 20 = 0 X		
Independent 5 - 3 = 2 X \$84		\$168
Multiple Dependent Claims	X	

Large Entity	Small Entity	Fee	Description
Fee	Fee	Fee	
Code (\$)	Code (\$)		

103	18	203	9	Claims in excess of 20
102	78	202	39	Independent claims in excess of 3
104	270	204	135	Multiple dependent claim
109	82	209	41	Reissue independent claims over original patent
110	22	210	11	Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$ 168.00

## FEE CALCULATION (continued)

## 2. Additional Fees

Large Entity Small Entity

Fee	Fee	Fee	Fee	Fee Description	Fee Paid
Code (\$)	Code (\$)				
105	130	205	65	Surcharge-late filing fee or oath	
127	50	227	25	Surcharge-late provisional filing fee or cover sheet	
139	130	139	130	Non-English specification	
147	2,520	147	2,520	For filing a request for reexamination	
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for response within first month	
116	400	216	200	Extension for response within second month	
117	950	217	475	Extension for response within third month	
118	1,510	218	755	Extension for response within fourth month	
128	2,060	228	1,030	Extension for response within fifth month	
119	310	219	155	Notice of appeal	
120	310	220	155	Filing a brief in support of an appeal	
121	270	221	135	Request for oral hearing	
138	1,510	138	1,510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive unavoidably abandoned application	
141	1,320	241	660	Petition to revive unintentionally abandoned application	
142	1,320	242	660	Utility issue fee (or reissue)	
143	450	243	225	Design issue fee	
144	670	244	335	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	50	123	50	Petitions related to provisional applications	
126	240	126	240	Submission of Information Disclosure Statement	
581	40	581	40	Recording each patent assignment per property (times number of properties)	
146	790	246	395	Filing a submission after final rejection (37 CFR 1.129(a))	
149	790	249	395	For each additional invention to be examined (37 CFR 1.129(b))	

Other fee (specify) \_\_\_\_\_

Other fee (specify) \_\_\_\_\_

SUBTOTAL (3) (\$ 0

\*Reduced by Basic Filing Fee Paid

## SUBMITTED BY

Type or Printed name Joseph J. Jochman  
Andrus, Sceales, Starke & Sawall, LLP

Signature

## COMPLETE (if applicable)

Registration Number 25,058

Date 9/30/2003

Deposit Account  
User ID